

32-1463: mL 16 Recombinant Protein

Alternative Name : LCF,Lymphocyte Chemoattractant Factor,prIL-16,KIAA4048,mKIAA4048,IL16,IL-16,Interleukin-16.

Description

Source : Escherichia Coli. Interleukin-16 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 127 amino acids and having a molecular mass of 13.2 kDa. The Mouse IL-16 is purified by proprietary chromatographic techniques. IL-16 is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. The signaling process of IL-16 is mediated by CD4. The product of this gene undergoes proteolytic processing, which is found to yield two functional proteins. IL-16 functions exclusively attributed to the secreted C-terminal peptide, while the N-terminal product may play a role in cell cycle control. Caspase 3 is reported to be involved in the proteolytic processing of this protein. Two transcript variants encoding different isoforms have been found for this gene.IL-16 stimulates a migratory response in cd4+ lymphocytes, monocytes, and eosinophils. Also induces t-lymphocyte expression of interleukin 2 receptor. ligand for cd4.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis SDS-PAGE.
Content :	Murine IL-16 was lyophilized from 1mg/ml solution after extensive dialysis against 10mM sodium phosphate buffer, pH-7.5.
Storage condition :	Lyophilized Mouse IL-16 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution mouse IL16 should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid :	MHDLNSSTDS AASASAASDI SVESKEATVC TVTLEKTSAG LGFSLEGGKG SLHGDKPLTI NRIFKGDRTG EMVQPGDEIL QLAGTAVQGL TRFEAWNVIK ALPDGPVTIV IRRSLQCKQ TTASADS.

Application Note

It is recommended to reconstitute the lyophilized Murine IL16 in sterile 18MΩ•cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

